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\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Sep 17	IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS	3	Oct 09	Korean abstracts now included in Derwent World Patents Index
NEWS	4	Oct 09	Number of Derwent World Patents Index updates increased
NEWS	5	Oct 15	Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS	6	Oct 22	Over 1 million reactions added to CASREACT
NEWS	7	Oct 22	DGENE GETSIM has been improved
NEWS	8	Oct 29	AAASD no longer available
NEWS	9	Nov 19	New Search Capabilities USPATFULL and USPAT2
NEWS	10	Nov 19	TOXCENTER(SM) - new toxicology file now available on STN
NEWS	11	Nov 29	COPPERLIT now available on STN
NEWS	12	Nov 29	DWPI revisions to NTIS and US Provisional Numbers
NEWS	13	Nov 30	Files VETU and VETB to have open access
NEWS	14	Dec 10	WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002
NEWS	15	Dec 10	DGENE BLAST Homology Search
NEWS	16	Dec 17	WELDASEARCH now available on STN
NEWS	17	Dec 17	STANDARDS now available on STN
NEWS	18	Dec 17	New fields for DPCI
NEWS	19	Dec 19	CAS Roles modified
NEWS	20	Dec 19	1907-1946 data and page images added to CA and Cplus
NEWS	21	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS	22	Jan 25	Searching with the P indicator for Preparations
NEWS	23	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS	24	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS	25	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS	26	Mar 08	Gene Names now available in BIOSIS
NEWS EXPRESS			February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 19:40:43 ON 17 MAR 2002

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'REGISTRY' ENTERED AT 19:40:51 ON 17 MAR 2002  
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STRUCTURE FILE UPDATES: 16 MAR 2002 HIGHEST RN 401560-75-6  
 DICTIONARY FILE UPDATES: 16 MAR 2002 HIGHEST RN 401560-75-6

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when  
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
 for more information. See STN Note 27, Searching Properties in the CAS  
 Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

The P indicator for Preparations was not generated for all of the  
 CAS Registry Numbers that were added to the H/Z/CA/CAplus files between  
 12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches  
 during this period, either directly appended to a CAS Registry Number  
 or by qualifying an L-number with /P, may have yielded incomplete results.  
 As of 1/23/02, the situation has been resolved. Also, note that searches  
 conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files  
 incorporating CAS Registry Numbers with the P indicator between 12/27/01  
 and 1/23/02, are encouraged to re-run these strategies. Contact the  
 CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698,  
 worldwide, or send an e-mail to [help@cas.org](mailto:help@cas.org) for further assistance or to  
 receive a credit for any duplicate searches.

=>

=> e 184034-56-8/rn

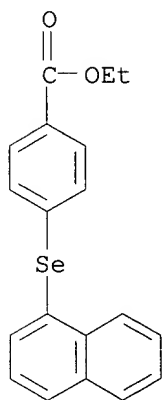
E1 1 184034-54-6/RN  
 E2 1 184034-55-7/RN  
 E3 1 --> 184034-56-8/RN  
 E4 1 184034-57-9/RN  
 E5 1 184034-58-0/RN  
 E6 1 184034-59-1/RN  
 E7 1 184034-60-4/RN  
 E8 1 184034-61-5/RN  
 E9 1 184034-62-6/RN  
 E10 1 184034-63-7/RN  
 E11 1 184034-64-8/RN  
 E12 1 184034-65-9/RN

=> s e3

L1 1 184034-56-8/RN

=> d l1

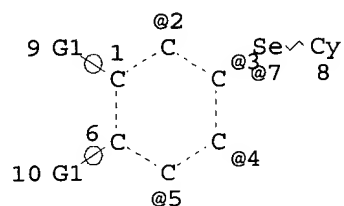
L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
 RN **184034-56-8** REGISTRY  
 CN Benzoic acid, 4-(1-naphthalenylseleno)-, ethyl ester (9CI) (CA INDEX NAME)  
 MF C19 H16 O2 Se  
 SR CA  
 LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1967 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> d l1  
 L1 HAS NO ANSWERS  
 L1 STR



VAR G1=O/S/C  
 VPA 7-2/3/4/5 U  
 NODE ATTRIBUTES:  
 DEFAULT MLEVEL IS ATOM  
 GGCAT IS MCY UNS AT 8  
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
 RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

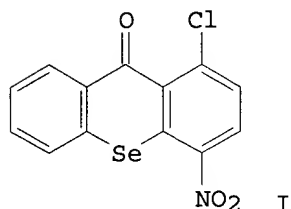
=> s l1 ful  
 FULL SEARCH INITIATED 08:13:14 FILE 'REGISTRY'  
 FULL SCREEN SEARCH COMPLETED - 9059 TO ITERATE

100.0% PROCESSED 9059 ITERATIONS  
 SEARCH TIME: 00.00.01

144 ANSWERS

L3 144 SEA SSS FUL L1

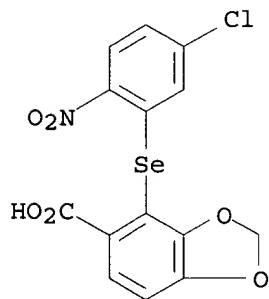
AN 1989:614374 CAPLUS  
 DN 111:214374  
 TI Trimethylsilyl polyphosphate for intramolecular Friedel-Crafts cyclizations  
 AU Berman, Ellen M.; Showalter, H. D. Hollis  
 CS Parke-Davis Pharm. Res. Div., Warner-Lambert Co., Ann Arbor, MI, 48105, USA  
 SO Journal of Organic Chemistry (1989), 54(23), 5642-4  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DT Journal  
 LA English  
 OS CASREACT 111:214374  
 GI



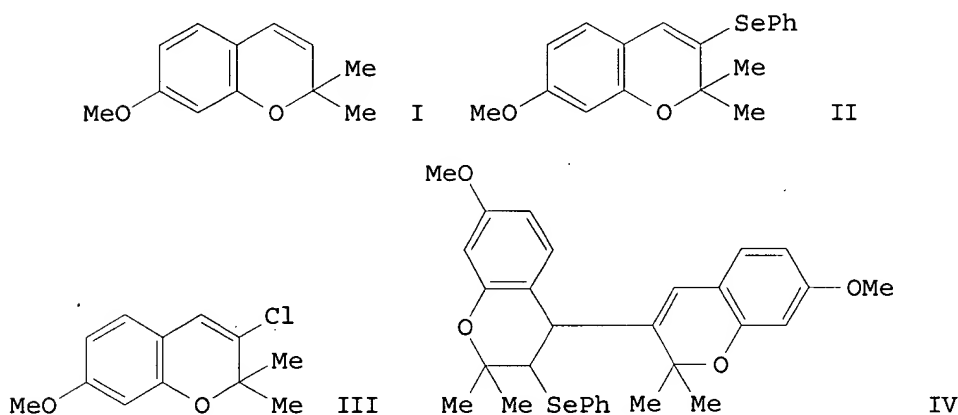
AB The use of trimethylsilyl polyphosphate (PPSE) to promote Friedel-Crafts cyclizations was investigated. Various substituted selenoxanthenones, e.g., I, were prepd. by PPSE promoted cyclization of the corresponding 2-(phenylseleno)benzoic acids as the key ring forming step. For this purpose, PPSE was superior to std. methods of cyclodehydration such as polyphosphoric acid (PPA) or thionyl chloride/AlCl<sub>3</sub>. Similarly, PPSE was also effective for analogous cyclizations yielding xanthenones and thioxanthenones, though in the former case PPA was the method of choice.

IT **123239-74-7**  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (trimethylsilyl polyphosphate promoted intramol. Friedel-Crafts cyclization of)

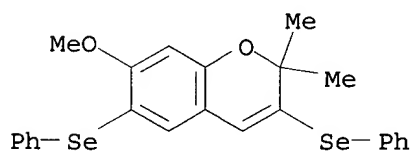
RN 123239-74-7 CAPLUS  
 CN 1,3-Benzodioxole-5-carboxylic acid, 4-[(5-chloro-2-nitrophenyl)seleno]-(9CI) (CA INDEX NAME)



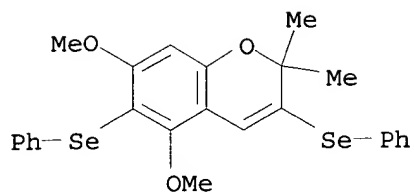
AN 1990:216628 CAPLUS  
 DN 112:216628  
 TI Synthesis of benzopyran derivatives. Part IX. Unusual behavior of  
 2,2-dimethyl-2H-chromene derivatives (precocenes) in phenylselenenylation  
 AU Wagner, Petra; Duddeck, Helmut; Timar, Tibor; Csuhai, Eva; Jaszberenyi,  
 Joseph C.  
 CS Fak. Chem., Ruhr Univ., Bochum, D-4630/1, Fed. Rep. Ger.  
 SO Journal of the Chemical Society, Perkin Transactions 1: Organic and  
 Bio-Organic Chemistry (1972-1999) (1989), (11), 2128-9  
 CODEN: JCPRB4; ISSN: 0300-922X  
 DT Journal  
 LA English  
 OS CASREACT 112:216628  
 GI



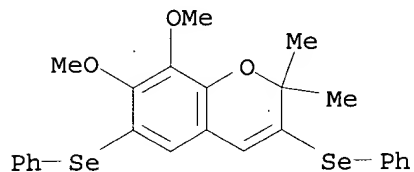
AB Treatment of precocenes (e.g., I) with PhSeCl in CH<sub>2</sub>Cl<sub>2</sub> gives a mixt. of  
 phenylseleno derivs. (e.g., II), chloro derivs. (e.g., III), and dimers  
 (e.g., IV) instead of the expected addn. products. For 6-unsubstituted  
 precocenes, arom. substitution (of PhSe) at C6 also takes place.  
 IT 126909-06-6P 126909-07-7P 126909-08-8P  
 126909-09-9P 126909-10-2P 126909-11-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 RN 126909-06-6 CAPLUS  
 CN 2H-1-Benzopyran, 7-methoxy-2,2-dimethyl-3,6-bis(phenylseleno) - (9CI) (CA  
 INDEX NAME)



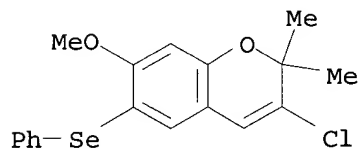
RN 126909-07-7 CAPLUS  
 CN 2H-1-Benzopyran, 5,7-dimethoxy-2,2-dimethyl-3,6-bis(phenylseleno) - (9CI)  
 (CA INDEX NAME)



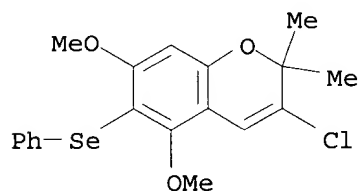
RN 126909-08-8 CAPLUS  
 CN 2H-1-Benzopyran, 7,8-dimethoxy-2,2-dimethyl-3,6-bis(phenylseleno) - (9CI)  
 (CA INDEX NAME)



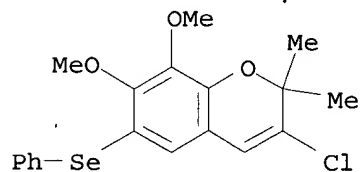
RN 126909-09-9 CAPLUS  
 CN 2H-1-Benzopyran, 3-chloro-7-methoxy-2,2-dimethyl-6-(phenylseleno) - (9CI)  
 (CA INDEX NAME)



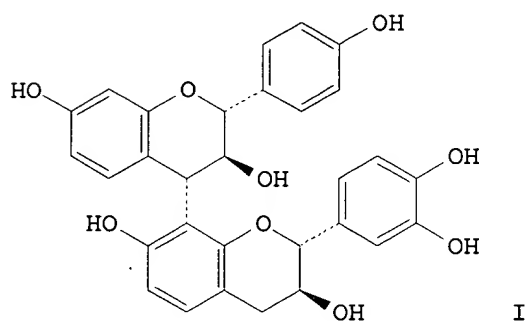
RN 126909-10-2 CAPLUS  
 CN 2H-1-Benzopyran, 3-chloro-5,7-dimethoxy-2,2-dimethyl-6-(phenylseleno) - (9CI) (CA INDEX NAME)



RN 126909-11-3 CAPLUS  
 CN 2H-1-Benzopyran, 3-chloro-7,8-dimethoxy-2,2-dimethyl-6-(phenylseleno) - (9CI) (CA INDEX NAME)

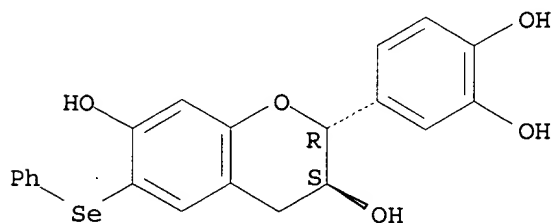


AN 1990:420849 CAPLUS  
 DN 113:20849  
 TI Oligomeric flavanoids. Part 8. The first profisetinidins and  
 proguibourtinidins based on C-8 substituted (-)-fisetinidol units and  
 related C-ring isomerized analogs  
 AU Malan, Johannes C. S.; Steenkamp, Jacobus A.; Steynberg, Jan P.; Young,  
 Desmond A.; Brandt, E. Vincent; Ferreira, Daneel  
 CS Dep. Chem., Univ. Orange Free State, Bloemfontein, 9300, S. Afr.  
 SO Journal of the Chemical Society, Perkin Transactions 1: Organic and  
 Bio-Organic Chemistry (1972-1999) (1990), (2), 209-18  
 CODEN: JCPRB4; ISSN: 0300-922X  
 DT Journal  
 LA English  
 OS CASREACT 113:20849  
 GI

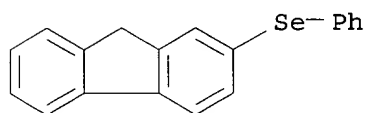


AB Structural examn. of the phenolic metabolites of Colophospermum mopane  
 revealed the presence of the 1st profisetinidins and proguibourtinidins  
 based on C-8 substituted (-)-fisetinidol units, i.e. (4.alpha.,8)-bis-(-)-  
 fisetinidol, (+)-epifisetinidol-4.alpha.,8)-(-)-fisetinidol, and  
 (+)guibourtinidol-(4.alpha.,8)-(-)-fisetinidol (I). They were accompanied  
 by related functionalized tetrahydropyrano[2,3-h]chromenes and by a  
 2,4-diaryl-6-(2-benzopyranyl)chroman, the 1st C-ring isomerized analog  
 derived from a B-ring coupled profisetinidin. Efforts towards the  
 synthesis of the (4,8)-bis-fisetinidols from 6-bromo-(-)-fisetinidol and  
 the appropriate flavan-3,4-diol, led to biaryl type biflavanoids. Their  
 genesis is explained in terms of an oxidative substitution reaction  
 initiated by bromonium ion.  
 IT **127612-94-6P**, 6-Phenylselenenyl-(-)-fisetinidol  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and condensation of, with mollisacacidin)  
 RN 127612-94-6 CAPLUS  
 CN 2H-1-Benzopyran-3,7-diol, 2-(3,4-dihydroxyphenyl)-3,4-dihydro-6-  
 (phenylseleno)-, (2R-trans)- (9CI) (CA INDEX NAME)

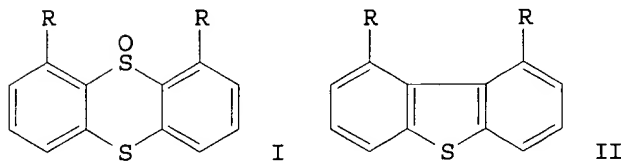
Absolute stereochemistry.



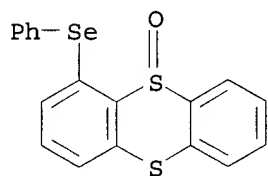
AN 1990:640021 CAPLUS  
 DN 113:240021  
 TI Electrochemically induced SRN1 substitution in acetonitrile. Synthesis of arenes substituted by phenylseleno and phenyltelluro groups  
 AU Degrand, Chantal  
 CS Lab. Synth. Electrosynth. Organomet., Fac. Sci., Dijon, 21000, Fr.  
 SO Tetrahedron (1990), 46(15), 5237-52  
 CODEN: TETRAB; ISSN: 0040-4020  
 DT Journal  
 LA English  
 AB In MeCN, the direct or mediated cathodic redn. of unactivated ArBr (Ar = 4-biphenyl, 2-fluorenyl, 9-anthryl) in the presence of an equiv. of PhE- (E = Se, Te) leads to ArEPh in interesting isolated yields (53-74%) by SNR1 substitution. The electrochem. synthesis of 9-phenylchalcogenoanthracene proceeds in better yields in MeCN than in DMSO. The 4,4'-disubstituted biphenyl PhSeC6H4C6H4SePh was prepd. in 46% yield in MeCN, whereas its synthesis by photostimulation in liq. NH3 did not occur.  
 IT **130746-57-5P**  
 RL: PREP (Preparation)  
 (prepn. of, electrochem. reductive)  
 RN 130746-57-5 CAPLUS  
 CN 9H-Fluorene, 2-(phenylseleno)- (9CI) (CA INDEX NAME)



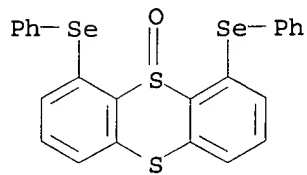
AN 1991:514297 CAPLUS  
 DN 115:114297  
 TI A convenient preparation of sterically crowded 1,9-disubstituted dibenzothiophenes and 3,3'-disubstituted diaryl sulfides  
 AU Furukawa, Naomichi; Kimura, Takeshi; Horie, Yoji; Ogawa, Satoshi  
 CS Dep. Chem., Univ. Tsukuba, Tsukuba, 305, Japan  
 SO Heterocycles (1991), 32(4), 675-8  
 CODEN: HTCYAM; ISSN: 0385-5414  
 DT Journal  
 LA English  
 OS CASREACT 115:114297  
 GI



AB Thianthrene-5-oxide I (R = H) reacted with 2.2 equiv of lithium diisopropylamide to give 4,6-dilithiated deriv., which reacted with electrophiles to give 4,6-disubstituted thianthrene-5-oxides, e.g., I (R .tpbond. SC6H4Me-4, SPh, SC6H4Cl-4, SMe). They afforded sterically crowded 1,9-disubstituted dibenzothiophenes II in moderate yields on treatment with BuLi or PhLi.  
 IT **135489-41-7P 135489-42-8P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 RN 135489-41-7 CAPLUS  
 CN Thianthrene, 1-(phenylseleno)-, 10-oxide (9CI) (CA INDEX NAME)



RN 135489-42-8 CAPLUS  
 CN Thianthrene, 1,9-bis(phenylseleno)-, 10-oxide (9CI) (CA INDEX NAME)



AN 1994:667538 CAPLUS  
 DN 121:267538  
 TI Effect of Through-Space Interaction on the Photolytic Desulfurization or Deselenization and Intramolecular Cyclization Reactions of 1,9-Disubstituted Dibenzochalcogenophenes  
 AU Kimura, Takeshi; Ishikawa, Yasuhiro; Ueki, Kensaku; Horie, Yoji; Furukawa, Naomichi  
 CS Department of Chemistry, University of Tsukuba, Tsukuba, 305, Japan  
 SO Journal of Organic Chemistry (1994), 59(23), 7117-24  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DT Journal  
 LA English  
 AB 1,9-Dithia and 1,9-diselena substituents in dibenzochalcogenophenes (I) are in close proximity within the van der Waals S-S and Se-Se contacts and hence have a strong through-space interaction. Photolysis of the compds. (I) with a 400 W high-pressure mercury lamp in benzene produces triphenyleno[4,5-bcd]chalcogenophenes (II) and tribenzo[bc,e,hi][2,7]dichalcogenaazulenes (III) in high yields, except for the dibenzofuran deriv., via photoexcitation, sequential desulfurization or deselenization, and intramol. cyclization. In the reaction, 1,9-bis(phenylthio)dibenzofuran (Ie) exhibits lower reactivity as compared with other dibenzothiophene and dibenzoselenophene derivs. The X-ray crystallog. anal. of 1,9-bis(phenylseleno)dibenzoselenophene (Ia), 1,9-bis(phenylseleno)dibenzothiophene (Ib), and 1,9-bis(phenylthio)dibenzoselenophene (Ic) demonstrated that their structures are distorted as is also that of 1,9-bis(phenylthio)dibenzothiophene (Id), while dibenzofuran deriv. Ie was found to be a nearly planar mol. The structure and reactivity relationship of compds. Ia-e was examd. in the photolytic reactions by comparing their interheteroat. distances at the 1,9 positions and their oxidn. potentials. Furthermore, compds. Ia-e afforded the corresponding monosulfoxides and bis-sulfoxides on oxidn. with m-chloroperbenzoic acid which were photolyzed readily to give also II and III.  
 IT 158637-46-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (photochem. desulfurization, deselenization and intramol. cyclization reactions of 1,9-disubstituted dibenzochalcogenophenes)  
 RN 158637-46-8 CAPLUS  
 CN Dibenzothiophene, 1,9-bis(phenylseleno)- (9CI) (CA INDEX NAME)

